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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known Application Number 10/050,532 January 18, 2002 Filing Date Michael J. GRAZIANO et a RECEIVED First Named Inventor **Group Art Unit** 

Unassigned Examiner Name 56162.000353 Sheet of Attorney Docket Number

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Examiner tnitials *		U.S. Patent Document		Name of Patentee or Applicant	Date of Publication of	Pages, Columns, Lines, Where Relevant		
	Cite No.1	Number	Kind Code <sup>2</sup> (if known)	of Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear		
71	U1	5,363,321		Dao Trong et al.	11/08/94			
	U2	5,524,089		Takano	06/04/96	•		
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47	U10	5,941,939		Pan et al.	08/24/99			
	U11							
			NON	PATENT LITERATURE	DOCUMENTS			
Examiner Cite No.1		Include the item	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					
71	P1		Haykin, Simon, Communication Systems 4th Edition, Wiley, 2001, page 436					
1	P2	Brigham, E. Oran, The Fast Fourier Transform and its Applications, Prentice Hall, 1988, pgs 191-193						
	P3	P3 Embree, Paul M. and Kimbel, Bruce, C Language Algorithms for Digital Signal Processing, Prentice Hall, 1991, pgs 255-256 and 266 and 267						
	P4 Haykin, Simon, <i>Adaptive Filter Theory 3<sup>rd</sup> Edition</i> , Prentice Hall, 1998, pgs 393-404				96, pgs 393-404			
	P5	Proakis, John G., Manolakis, Dimitris G., "Digital Signal Processing: Principals, Algorithms and Applications 3 <sup>rd</sup> Edition, Prentice Hall, 1996, pgs 23-28						
	P6	ITU Sta	ITU Standard G.991.2, "Single Pair High Speed Digital Subscriber Line (SHDSL) Transceivers", April 2001, pgs 1-191, Irvine, California					
	P7	P7 ITU Standard G.994.1, "Handshake Procedures for Digital Subscriber Line (DSL) Transceivers", June 1999, pgs 1-46, Geneva						
P8 ANSI Standard HDSL2, "High Bit Rate Digital Subscriber Line2 <sup>nd</sup> Generation (HDSL2)", February 21-25 2000, pgs 1-94, Maui, HI						(HDSL2)*, February 21-25,		

**U.S. PATENT DOCUMENTS** 

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